

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C09K11/06 H05B33/14 H01L51/20 C07D213/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C09K H05B H01L C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

ppropriate, of the relevant passages AL: "Oligophenylene and analogous aza-p-quaterphenyls with OVAK CHEMICAL pages 462-472, on Ic,Ie,If,IIe,IIf,
L: "Oligophenylene 1-12 and analogous aza-p-quaterphenyls enyls with OVAK CHEMICAL pages 462-472,
L: "Oligophenylene 1-12 and analogous aza-p-quaterphenyls enyls with OVAK CHEMICAL pages 462-472,
and analogous aza-p-quaterphenyls enyls with OVAK CHEMICAL pages 462-472,
-/
box C. Patent family members are listed in annex.
To later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention In document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone ther "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of mailing of the international search report
17/12/2004
Authorized officer



Internat Application No
PCT/EP2004/051930

		FC1/EF2004/031930	
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	Delevent to deleve No.	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
Y	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; KURFUERST, ANTONIN ET AL: "Luminophors based on bis(4,6-diarylpyridin-2-yl)-arenes and their preparation" XP002270079 retrieved from STN Database accession no. 113:31709 * abstract, structural formulas 62 and 63 * & CS 262 585 B (CZECH.) 14 March 1989 (1989-03-14)	1-12	
Y	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; KURFUERST, ANTONIN ET AL: "Luminophors containing 2-biphenyl-4-yl- and 5-phenyl-1,3,4- oxadiazole derivatives of 2,4,6-triarylpyridines and their preparation" XP002270080 retrieved from STN Database accession no. 113:31708 cited in the application * abstract, structural formula 64 * & CS 262 586 B (CZECH.) 14 March 1989 (1989-03-14)	1-12	
Y	EP 1 202 608 A (TOYODA CHUO KENKYUSHO KK) 2 May 2002 (2002-05-02) cited in the application * page 11, line 44 through page 13, line 53, especially compound a6 *	1-12	

INTERNATIONAL SEARCH REPORT

International application No. PCT/EP2004/051930

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. X Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of Item 3 of Irrst sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: -

Present claims 1-12 relate to an extremely large number of possible compounds/devices. Support within the meaning of Article 6 PCT and disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compounds/devices claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been restricted to those parts of the claims which appear to be supported and disclosed, namely to the specific compounds listed at pages 24-30 of the description and to electroluminescent devices comprising said compounds

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internal Application No
PCT/EP2004/051930

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
CS 262585	В	16-08-1988	CS	8709348 A1	16-08-1988
CS 262586	В	16-08-1988	CS	8709349 A1	16-08-1988
EP 1202608	A. =.	02-05-2002	EP JP	1202608 A2 2002203683 A	02-05-2002 19-07-2002